

Ten Mile Creek Reservoir and STA

Project and Lands Committee

Meeting

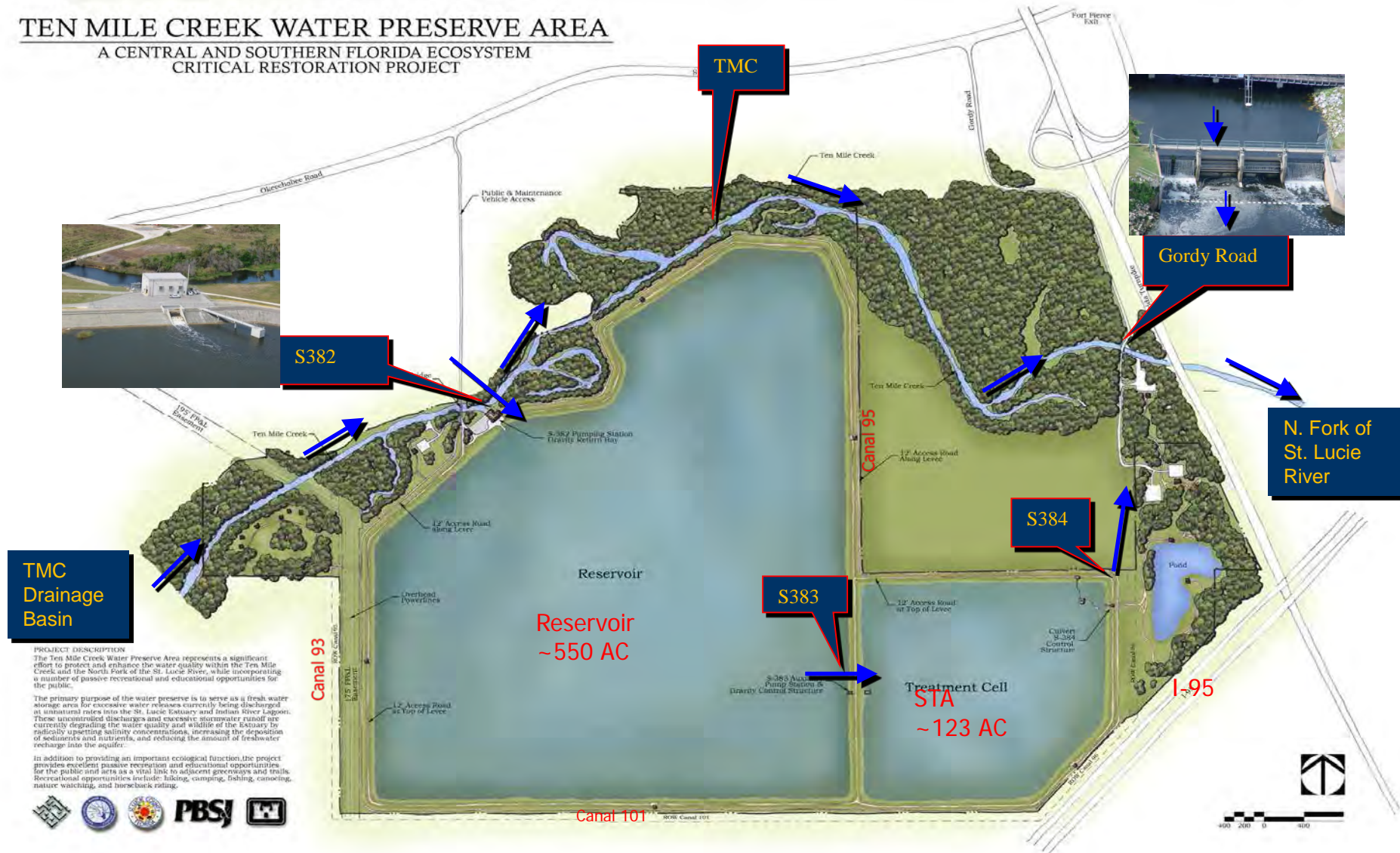
January 13, 2016

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sfwmd.gov



A CENTRAL AND SOUTHERN FLORIDA ECOSYSTEM
CRITICAL RESTORATION PROJECT



Original Project Purpose



■ Original Design:

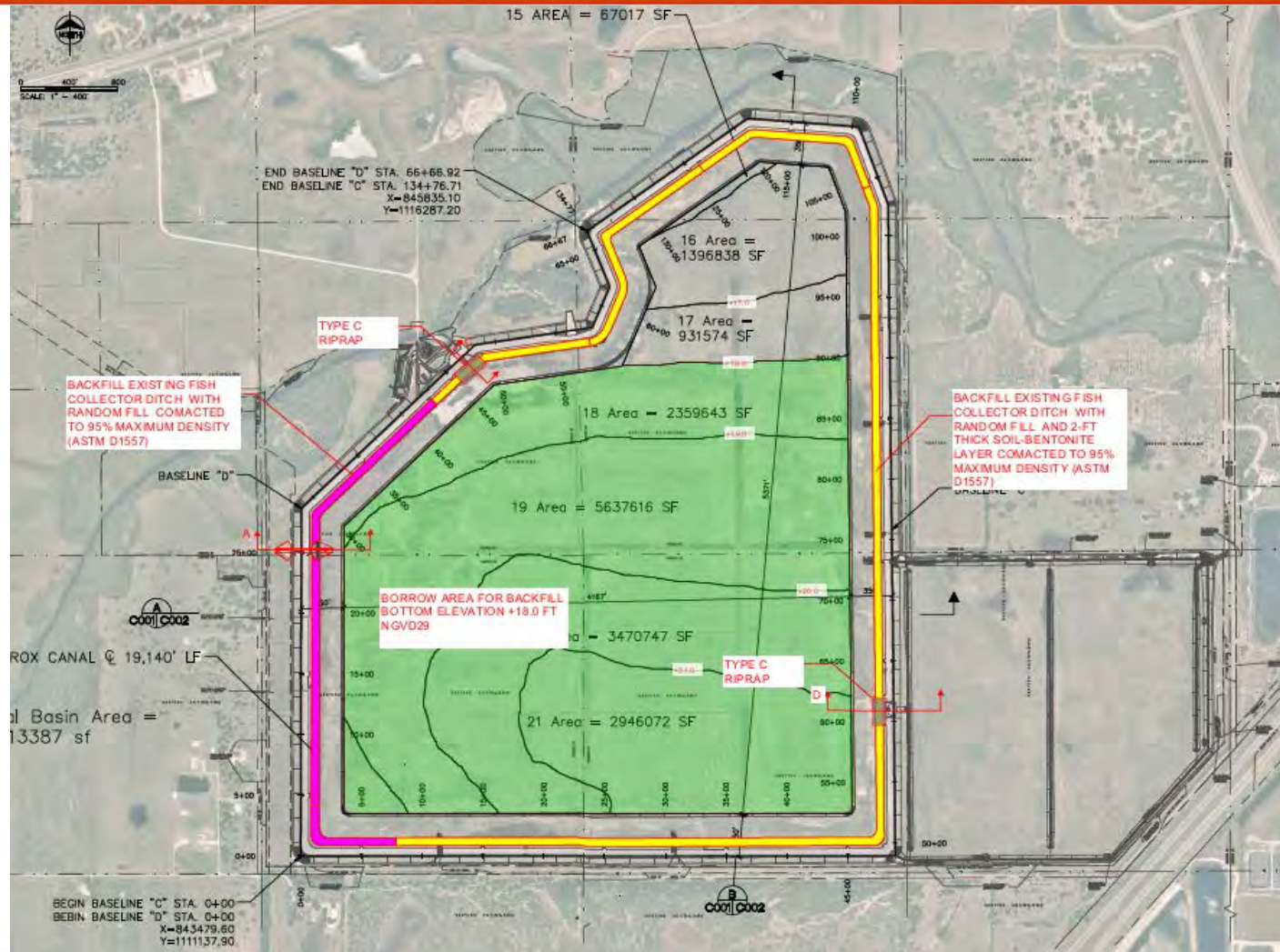
- Captured excess Stormwater flows prior to them flowing over the Gordy Road structure
- 550 acre reservoir capable of storing ~6,000 ac-ft at ~11ft. Depth
- 123 acre STA to be used as a polishing cell prior to discharge back to Ten Mile Creek.

Issues Requiring Remediation

- Existing collector ditch at interior toe creates route for excessive seepage under embankment
 - Solution: Backfill the existing collector ditch along the interior toe, including the placement of confining material at select locations
- Existing material voids under soil cement apron
 - Solution: Place bentonite slurry in the material voids during backfill of existing collector ditch
- Existing soil cement stair steps entrap wildlife
 - Solution: Mill the existing soil cement steps and place/compact resulting material to form a flat, 2.5:1 slope



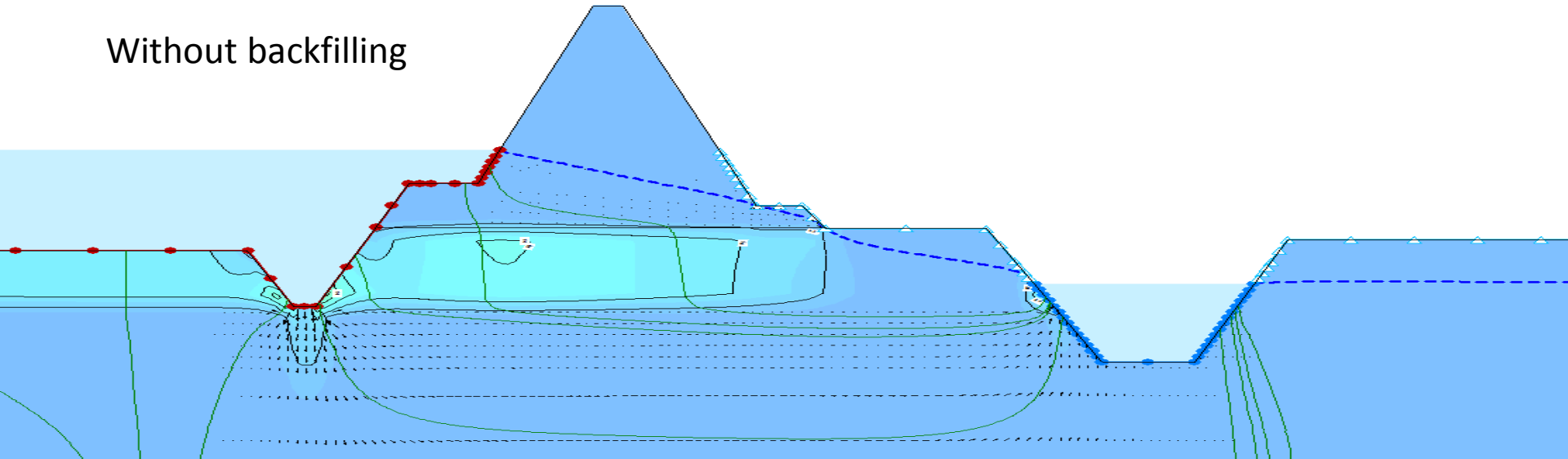
Collector Ditch



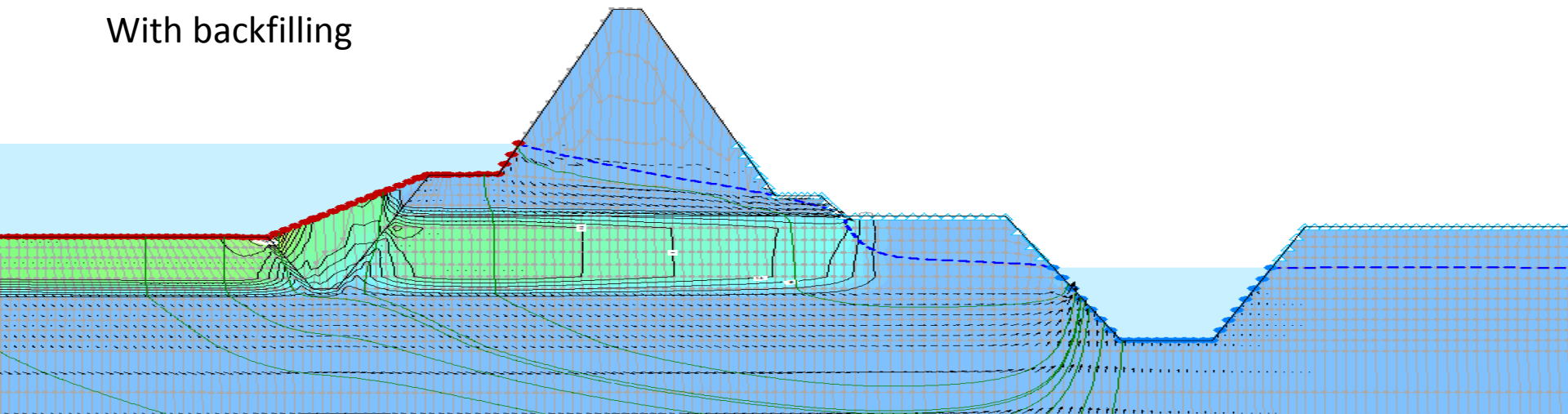


Seepage Profile

Without backfilling



With backfilling



Cost Estimate and Schedule



- Current Status: In Design
 - Final Design Submittal: February 2016
 - Corrected Final/Ready-to-Advertise Submittal: May 2016
 - Bid Package Submittal to Procurement: July 2016
 - Bid Opening: August 2016
 - Contract Award: September 2016
Governing Board
 - Construction Contract Notice-to-Proceed: November 2016
 - Construction Contract Substantial Completion: June 2017
- Construction Cost Estimate for Remediation: ~\$7M



Questions?

